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Sequence Listing was accepted.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866)
217-9197 (toll free).

Reviewer: Anne Corrigan

Timestamp: Thu Oct 11 12:23:19 EDT 2007

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Application No: 10534544 Version No: 1.1

Input Set:**Output Set:**

Started: 2007-10-11 12:22:23.608
Finished: 2007-10-11 12:22:33.770
Elapsed: 0 hr(s) 0 min(s) 10 sec(s) 162 ms
Total Warnings: 38
Total Errors: 0
No. of SeqIDs Defined: 109
Actual SeqID Count: 109

Error code	Error Description
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W 213	Artificial or Unknown found in <213> in SEQ ID (2)
W 213	Artificial or Unknown found in <213> in SEQ ID (3)
W 213	Artificial or Unknown found in <213> in SEQ ID (4)
W 213	Artificial or Unknown found in <213> in SEQ ID (5)
W 213	Artificial or Unknown found in <213> in SEQ ID (6)
W 213	Artificial or Unknown found in <213> in SEQ ID (7)
W 402	Undefined organism found in <213> in SEQ ID (16)
W 402	Undefined organism found in <213> in SEQ ID (23)
W 402	Undefined organism found in <213> in SEQ ID (24)
W 402	Undefined organism found in <213> in SEQ ID (25)
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W 402	Undefined organism found in <213> in SEQ ID (40)
W 402	Undefined organism found in <213> in SEQ ID (55)
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W 213	Artificial or Unknown found in <213> in SEQ ID (81)
W 402	Undefined organism found in <213> in SEQ ID (83)
W 402	Undefined organism found in <213> in SEQ ID (84)

Input Set:

Output Set:

Started: 2007-10-11 12:22:23.608

Finished: 2007-10-11 12:22:33.770

Elapsed: 0 hr(s) 0 min(s) 10 sec(s) 162 ms

Total Warnings: 38

Total Errors: 0

No. of SeqIDs Defined: 109

Actual SeqID Count: 109

Error code	Error Description
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W 402	Undefined organism found in <213> in SEQ ID (92)
W 402	Undefined organism found in <213> in SEQ ID (93) This error has occurred more than 20 times, will not be displayed
W 213	Artificial or Unknown found in <213> in SEQ ID (105)
W 213	Artificial or Unknown found in <213> in SEQ ID (106)
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SEQUENCE LISTING

<110> Pietrokovski, Shmuel
Amitai, Gil

<120> CHIMERIC AUTOPROCESSING POLYPEPTIDES AND USES THEREOF

<130> 29489

<140> 10534544

<141> 2005-05-10

<160> 109

<170> PatentIn version 3.2

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aaatgtcgac tgcggtggcc tgacc

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Ile	Ala	His	Ile	Gln	Ala	Gly	Asp	Arg	Val	Phe	Ala	Lys	Asp	Glu	Thr
			20					25					30		

Ser	Gly	Lys	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa
		35					40					45			

Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Asn	Asn
	50					55					60				

Gln	Thr	Leu	Ile	Ser	Asn	Lys	Ile	His	Pro	Phe	Tyr	Ser	Xaa	Xaa	Xaa
65					70					75				80	

Trp	Ile	Gln	Ala	Gly	Arg	Leu	Lys	Lys	Gly	Asp	Thr	Leu	Leu	Ser	Glu
				85					90					95	

Ser	Gly	Ala	Lys	Gln	Thr	Val	Gln	Asn	Ile	Thr	Leu	Lys	Xaa	Xaa	Xaa
			100					105					110		

Xaa	Lys	Ala	Tyr	Asn	Leu	Thr	Val	Ala	Asp	Trp	His	Thr	Tyr	Phe	Val
		115					120					125			

Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Glu	Gly	Val	Trp	Val	His	Asn	Glu
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Ser	Phe	His	Gly	Ser	Thr	Leu	Val	Lys	Thr	Ala	Asp	Gly	Tyr	Lys	Ala
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Ile	Ala	Arg	Ile	Arg	Thr	Gly	Asp	Arg	Val	Phe	Ala	Lys	Asp	Glu	Ala
			20					25					30		

Ser	Gly	Lys	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa
		35					40					45			

Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Asn	Asn
	50					55				60					

Gln	Thr	Leu	Ile	Ser	Asn	Lys	Ile	His	Pro	Phe	Tyr	Ser	Xaa	Xaa	Xaa
65					70				75					80	

Trp	Ile	Gln	Ala	Gly	Arg	Leu	Lys	Lys	Gly	Asp	Thr	Leu	Leu	Ser	Glu
			85						90					95	

Ser	Gly	Ala	Lys	Gln	Thr	Val	Gln	Asn	Ile	Thr	Leu	Lys	Xaa	Xaa	Xaa
		100						105					110		

Xaa	Lys	Ala	Tyr	Asn	Leu	Thr	Val	Ala	Asp	Trp	His	Thr	Tyr	Phe	Val
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Ser Phe His Gly Ser Thr Leu Val Lys Thr Ala Asp Gly Tyr Lys Ala
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Ile Ala Arg Ile Arg Thr Gly Asp Arg Val Phe Ala Lys Asp Glu Ala
20 25 30

Ser Gly Lys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
35 40 45

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Asn Asn
50 55 60

Gln Thr Leu Ile Ser Asn Lys Ile His Pro Phe Tyr Ser Xaa Xaa Xaa
65 70 75 80

Trp Ile Gln Ala Gly Arg Leu Lys Lys Gly Asp Thr Leu Leu Ser Glu
85 90 95

Ser Gly Ala Lys Gln Thr Val Gln Asn Ile Thr Phe Lys Xaa Xaa Xaa

100 105 110

Xaa Lys Ala Tyr Asn Leu Thr Val Ala Asp Trp His Thr Tyr Phe Val
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Xaa Xaa Xaa Xaa Xaa Xaa Xaa Glu Gly Val Trp Val His Asn Asp
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Cys Phe Val Ala Gly Thr Pro Val Arg Met Ala Asp Gly Xaa Glu Lys
1 5 10 15

Ala Ile Glu Thr Val Glu Ile Gly Glu Gln Val Gln Gly Thr Asp Gly
20 25 30

Thr Ile Asn Glu Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
35 40 45

Xaa Xaa Xaa Xaa Xaa Asn Ser Leu Asp Phe Phe Val Thr Ala Asp His
50 55 60

Pro Phe Leu Thr Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
65 70 75 80

Xaa Xaa Xaa Xaa Xaa Ala Leu Asn Val Thr Gln Leu Val Ile Gly Asp
85 90 95

Thr Leu Ile Thr Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
100 105 110

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Val Val Tyr Asn Leu His Leu Ile Gly
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Asn Asn Thr Tyr Val Ala Ser Gly Tyr Tyr Val His Asn Tyr
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Ile Asp Thr Leu Lys Val Gly Asp Ile Val Trp Ser Lys Pro Glu Gly
20 25 30

Gly Gly Lys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
35 40 45

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
50 55 60

Xaa Xaa Glu Asp Glu Ser Leu Leu Val Thr Pro Gly His Pro Phe Tyr
65 70 75 80

Val Xaa Xaa Xaa Xaa Xaa Phe Val Pro Val Ile Asp Leu Lys Pro Gly
85 90 95

Asp Arg Leu Gln Ser Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
100 105 110

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Lys Thr Tyr Asn
115 120 125

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Trp Val His Asn Thr
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Cys Phe Ala Ala Gly Thr Met Val Ala Thr Pro Lys Gly Glu Arg Ala
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Ile Glu Thr Leu Lys Ile Gly Asp Val Val Trp Ser Lys Pro Glu Gln
20 25 30

Gly Gly Glu Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
35 40 45

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
50 55 60

Xaa Xaa Ser Ser Glu Thr Leu Glu Val Thr Pro Gly His Pro Phe Tyr
65 70 75 80

Val Xaa Xaa Xaa Xaa Xaa Xaa Phe Val Pro Leu Ile Glu Leu Gln Pro Gly
85 90 95

Asp Arg Leu Gln Ser Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
100 105 110

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Arg Thr Tyr Asn
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Leu Thr Val Asp Ile Gly His Thr Phe Tyr Val Xaa Xaa Leu Gly Thr
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Trp Val His Asn Val
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Ile Asp Thr Leu Lys Val Gly Glu Ile Val Trp Ser Lys Pro Glu His
20 25 30

Gly Gly Glu Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
35 40 45

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
50 55 60

Xaa Xaa Glu Gly Glu Thr Leu Leu Val Thr Pro Ser His Pro Phe Tyr
65 70 75 80

Val Xaa Xaa Xaa Xaa Xaa Phe Val Pro Ala Ile Asn Leu Lys Pro Gly
85 90 95

Asp Leu Leu Gln Ser Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
100 105 110

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Lys Thr Phe Asn
115 120 125

Leu Thr Val Asp Ile Gly His Thr Phe Tyr Val Xaa Xaa Leu Lys Thr
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Trp Val His Asn Thr
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20 25 30

Thr Thr Gly Glu Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
35 40 45

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Asp Gly Ser Thr
50 55 60

Leu Thr Ser Thr Thr His His Pro Tyr Trp Ser Xaa Xaa Xaa Xaa Xaa
65 70 75 80

Trp Lys Asn Ala Gly Asp Leu Glu Ala Gly Asp Thr Leu Arg Thr Pro
85 90 95

Gln Asn Thr Ala Val Val Ile Ala Ala Thr His Asp Trp Xaa Xaa Xaa
100 105 110

Xaa Asp Ala Tyr Asp Leu Thr Val Asp Gly Phe His Ser Tyr Tyr Val
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20 25 30

Arg Thr Gly Thr Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
35 40 45

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
50 55 60

His Gly Gly Val Val Val Ala Thr Asp Ala His Pro Phe Trp Val Xaa
65 70 75 80

Xaa Xaa Xaa Xaa Trp Val Ala Ala Ile Asp Leu Glu Pro Gly Thr Trp
85 90 95

Leu Arg Thr Ser Ala Gly Thr Trp Val Gln Val Arg Ala Val Ala Val
100 105 110

Arg Xaa Xaa Xaa Xaa Xaa Arg Val His Asn Leu Thr Val Ala Asp Leu
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His Thr Tyr Tyr Val Xaa Xaa Xaa Xaa Ala Asp Ala Leu Val His Asn
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